| Index of Claims |  |
|-----------------|--|
|                 |  |

| Application No. | Applicant(s)    |    |
|-----------------|-----------------|----|
| 10/797,356      | SIMONSON, PETER | M. |
| Examiner        | Art Unit        |    |
| Jesús D. Sotelo | 3617            |    |

| 1  | Rejected | - | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|----|----------|---|--------------------------------|---|--------------|---|----------|
| 11 | Allowed  | + | Restricted                     | l | Interference | 0 | Objected |

| Cla                                              | aim      |              |                 |           |                | Date            | ,         |          | -        |          | CI                                                 | aim      |                                                  |              |                                        | Date     |                                                   |                                         |           | <b>#</b> [  | Cla   | aim          |           |          | _        |          | Date     | •         | .,       | -        |          |
|--------------------------------------------------|----------|--------------|-----------------|-----------|----------------|-----------------|-----------|----------|----------|----------|----------------------------------------------------|----------|--------------------------------------------------|--------------|----------------------------------------|----------|---------------------------------------------------|-----------------------------------------|-----------|-------------|-------|--------------|-----------|----------|----------|----------|----------|-----------|----------|----------|----------|
| l _                                              | <u>m</u> | 9            |                 |           |                |                 | - }       |          |          |          | _                                                  | <u></u>  |                                                  | 1            |                                        | -        |                                                   |                                         |           |             | _     | <del>-</del> | - 1       | ł        |          |          |          |           |          |          |          |
| Final                                            | Original |              | -               |           |                |                 | - [       |          |          |          | Final                                              | Original |                                                  |              |                                        |          |                                                   |                                         |           |             | Final | Original     | -         |          |          |          |          |           |          |          |          |
| Į iī                                             | ō        | 20           |                 |           |                |                 | Ì         |          |          |          | ίŒ                                                 | اق       |                                                  | 1            |                                        | - 1      |                                                   |                                         |           |             | 正     | Ö            | J         | ŀ        |          |          |          |           |          | ı        |          |
|                                                  |          |              |                 | _         | _              | _               | 4         | _        | 4        | _ !!!    |                                                    |          | $\sqcup$                                         |              | Ш                                      | $\dashv$ | _                                                 | 44                                      | _         | ::          |       |              | _         | _        | _        |          |          |           | _        | _        | _        |
| <u> </u>                                         | 1        | 14           |                 | _         | $\dashv$       | _               | 4         | _        | -        | -        |                                                    | 51       | $\vdash$                                         | -            | Ш                                      | $\dashv$ | -                                                 | 44                                      | _         |             |       | 101          | $\dashv$  | _        | _        |          |          |           | $\dashv$ | $\dashv$ | _        |
| <u> </u>                                         | 2        | 4            | $\square$       |           | $\dashv$       | _               | -         | 4        |          | -        |                                                    | 52       | <del>     </del>                                 | -            | _                                      | -        | +                                                 | +                                       | _         |             |       | 102          | $\dashv$  | -        | 4        |          |          |           | -        | _        |          |
|                                                  | 3        | ~            | -               |           | -              |                 | -         | +        | +        | - :::    |                                                    | 53       | ⊢⊢                                               | +-           | Н                                      | $\dashv$ | +                                                 |                                         |           | #           |       | 103          |           | -        | $\dashv$ | -        |          | _         | -        | -        | _        |
|                                                  | 5        |              |                 | $\dashv$  |                | -               | -         | +        | +        | -        |                                                    | 54<br>55 | <del>                                     </del> | +-           | Н                                      | $\dashv$ | +                                                 | +                                       |           |             |       | 104          | $\dashv$  | -        | _        |          |          | -         | -        | -        | -        |
| <u> </u>                                         | 6        | 0            | $\dashv$        | $\dashv$  |                |                 | $\dashv$  | +        | +        |          | -                                                  | 56       | -                                                | -            | Н                                      | $\dashv$ | +                                                 | +                                       | -         | -           |       | 105<br>106   | $\dashv$  | -        | -        | _        | -        | _         | -        | -        | -        |
| <u> </u>                                         | 7        | -            | $\dashv$        | $\dashv$  | $\dashv$       | $\dashv$        | $\dashv$  | +        | +        | -        |                                                    | 57       | $\vdash$                                         | +            | Н                                      | $\dashv$ | +                                                 | 4-1                                     |           | #           |       | 107          | $\dashv$  | -        | $\dashv$ | -        |          | $\dashv$  | +        | +        | $\dashv$ |
| <del>                                     </del> | 8        | 0            | $\dashv$        | $\dashv$  |                | $\dashv$        | $\dashv$  | $\dashv$ | +        | -        |                                                    | 58       | $\vdash$                                         | +            | Н                                      | $\dashv$ | +                                                 | +                                       | ╣         | <b>::: </b> |       | 108          | $\dashv$  | +        | $\dashv$ | -        | -        | -         | +        | $\dashv$ | -        |
| <del> </del>                                     | 9        | 2            |                 | $\dashv$  | $\dashv$       | $\dashv$        | $\dashv$  | $\dashv$ | +        | -        | _                                                  | 59       | -                                                | ╅╴           | Н                                      |          | +                                                 | +                                       | ╣         | ⊪           |       | 109          | $\dashv$  | $\dashv$ | -        | -        |          | $\dashv$  | $\dashv$ | -        | -        |
|                                                  | 10       |              | $\dashv$        | ┪         | $\dashv$       | $\dashv$        | $\dashv$  | $\dashv$ | +        | -        |                                                    | 60       | H                                                | +            | Н                                      |          | $\pm$                                             |                                         | $\dashv$  | <b>::</b>   |       | 110          | $\dashv$  | $\dashv$ | $\neg$   | $\neg$   | -        |           | $\dashv$ | $\dashv$ |          |
| <b></b>                                          | 11       | 0            | $\vdash \vdash$ | $\dashv$  | $\dashv$       | $\dashv$        | $\dashv$  | $\dashv$ | +        | -        |                                                    | 61       | +                                                | +            | $\vdash$                               | $\dashv$ | +                                                 | +                                       | $\dashv$  | #           |       | 111          | $\dashv$  | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$ |           | $\dashv$ | $\dashv$ | ᅱ        |
|                                                  | 12       | 0            |                 | $\dashv$  | $\vdash$       |                 | 十         | $\dashv$ | +        | <b>-</b> |                                                    | 62       | $\vdash$                                         | +            | Н                                      | 十        | +                                                 | +                                       | -         | <b>:::</b>  |       | 112          |           | _        | $\dashv$ | $\vdash$ |          |           | $\dashv$ | $\dashv$ | $\dashv$ |
|                                                  | 13       | 1            | H               | $\dashv$  | $\dashv$       | $\dashv$        | $\dashv$  | 十        | $\dashv$ | 1        |                                                    | 63       | $\vdash \vdash$                                  | $\top$       | П                                      | $\dashv$ | +                                                 | $\top$                                  | $\dashv$  | **          |       | 113          |           | -1       | $\dashv$ | $\vdash$ | $\vdash$ |           | $\dashv$ | _        | -        |
| $\vdash$                                         | 14       |              |                 | $\exists$ | $\exists$      | $\dashv$        | _         | 十        | _        | 7:::     |                                                    | 64       | $\vdash$                                         | $\top$       | П                                      | $\dashv$ | +                                                 | $\top$                                  |           |             |       | 114          |           | _        | $\neg$   |          |          | $\neg$    | 寸        | 一        |          |
|                                                  | 15       | =            | П               |           |                | T               | 寸         | 寸        | _        |          |                                                    | 65       |                                                  | 1            |                                        |          | 7                                                 |                                         | 7         |             |       | 115          | $\neg$    |          |          |          |          |           | $\neg$   | 寸        |          |
|                                                  | 16       |              | $\Box$          | $\neg$    |                |                 | 一         | $\dashv$ |          | 7        |                                                    | 66       |                                                  |              | П                                      | $\neg$   | $\top$                                            |                                         | $\exists$ | #           |       | 116          |           | 一        |          |          |          |           | $\neg$   | $\neg$   |          |
|                                                  | 17       | $\Box$       | $\Box$          | $\neg$    |                | $\Box$          | $\neg$    | $\top$   | $\neg$   | 7        |                                                    | 67       |                                                  |              | П                                      | $\top$   | $\top$                                            | $\top$                                  | 1         |             |       | 117          |           |          |          |          |          |           | 1        | $\dashv$ | $\neg$   |
|                                                  | 18       | $\top$       | $\Box$          | $\neg$    |                |                 | 寸         | 寸        | 丁        | 7:::     |                                                    | 68       |                                                  | 十一           | П                                      | $\dashv$ | $\top$                                            | $\top$                                  | 7         |             |       | 118          |           |          | $\neg$   |          |          |           | 寸        | 一        | T        |
|                                                  | 19       |              |                 |           |                |                 | 寸         | $\neg$   | T        |          |                                                    | 69       |                                                  | 丅            | П                                      |          | ┪                                                 | $\sqcap$                                | $\neg$    |             |       | 119          |           | $\neg$   |          |          |          |           | $\neg$   | $\neg$   |          |
|                                                  | 20       | П            | П               |           |                |                 | 寸         | 一        | T        | 7        |                                                    | 70       |                                                  | $\top$       | П                                      |          |                                                   | $\top$                                  |           |             |       | 120          |           | 7        |          |          |          |           | $\neg$   | 一        |          |
|                                                  | 21       |              | Ħ               |           |                |                 | $\exists$ | 寸        | $\top$   | 7        |                                                    | 71       |                                                  | $\top$       | П                                      | $\neg$   | 7                                                 | $\neg \neg$                             | $\neg$    |             |       | 121          |           | $\neg$   |          |          |          |           | $\neg$   | $\neg$   |          |
|                                                  | 22       |              |                 |           |                |                 | $\Box$    | $\neg$   | T        |          |                                                    | 72       |                                                  |              |                                        |          | ╗                                                 |                                         |           |             |       | 122          |           |          |          |          |          |           |          |          |          |
|                                                  | 23       |              |                 |           |                |                 |           |          |          |          |                                                    | 73       |                                                  | $oxed{oxed}$ |                                        |          | ightharpoons                                      | $\Box$                                  |           |             |       | 123          |           |          |          |          |          |           |          | $\Box$   |          |
|                                                  | 24       |              |                 |           |                |                 |           |          |          |          |                                                    | 74       |                                                  | $oxed{\Box}$ |                                        |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                                         |           |             |       | 124          |           |          |          |          |          |           |          | $\Box$   |          |
|                                                  | 25       | $\Box$       |                 |           |                |                 | $\Box$    | $\Box$   | $\Box$   |          |                                                    | 75       |                                                  |              |                                        |          | $oxed{\mathbb{L}}$                                |                                         |           |             |       | 125          |           |          |          |          |          |           |          |          |          |
|                                                  | 26       | $\Box$       |                 |           |                |                 | $\Box$    | $\bot$   | $\Box$   |          |                                                    | 76       |                                                  |              |                                        |          |                                                   |                                         |           | ::[         |       | 126          |           |          |          |          |          |           | $\Box$   | $\Box$   |          |
|                                                  | 27       |              |                 |           |                |                 |           |          | $\perp$  |          |                                                    | 77       |                                                  |              |                                        |          | $\perp$                                           |                                         |           |             |       | 127          |           |          |          |          |          |           |          |          |          |
|                                                  | 28       |              |                 |           |                |                 |           |          |          |          |                                                    | 78       |                                                  |              |                                        |          | $\perp$                                           |                                         |           |             |       | 128          |           |          |          |          |          |           |          |          |          |
|                                                  | 29       |              |                 |           |                |                 |           | $\perp$  | $\perp$  |          |                                                    | 79       |                                                  |              | L                                      |          | $\perp$                                           |                                         |           |             |       | 129          |           |          |          |          |          |           | $\perp$  |          |          |
|                                                  | 30       |              |                 |           |                |                 | _         | _        |          | _        |                                                    | 80       | $\sqcup$                                         |              | _                                      |          | _L                                                | 4                                       |           |             |       | 130          |           | _        |          |          |          |           | $\perp$  | 4        |          |
|                                                  | 31       | $\perp$      | Ш               |           | $\Box$         |                 | $\perp$   | $\perp$  | $\perp$  | _        |                                                    | 81       | $\sqcup \bot$                                    |              | L                                      | $\perp$  | _ _                                               | $\perp$                                 | Щ         |             |       | 131          |           |          | _        | Ш        |          |           | _        | $\perp$  |          |
|                                                  | 32       | $\perp$      | Щ               | _         | Щ              |                 | $\perp$   | _        | $\perp$  | _        |                                                    | 82       | $\sqcup$                                         | 4_           | L.,                                    | 4        | _                                                 | 4                                       | _         | ::          |       | 132          | Щ         |          |          |          |          |           |          | _        | _        |
|                                                  | 33       | 1            | Щ.              | _         | $\sqcup$       | Щ               | $\dashv$  | $\dashv$ | $\perp$  | 4:::     |                                                    | 83       | ـــــــــــــــــــــــــــــــــــــ            | _            | $ldsymbol{ldsymbol{ldsymbol{\sqcup}}}$ | _        | _ _                                               |                                         | Щ         |             |       | 133          | $\Box$    | _        | _        | Щ        | Щ        | $\sqcup$  | _        |          | _        |
| L                                                | 34       | 1            | $\sqcup$        | _         | Щ              | Ш               | $\perp$   | $\perp$  | $\perp$  | 4        |                                                    | 84       | $\vdash \vdash$                                  | 4            |                                        | 1        | _                                                 | +                                       | _         | ::          |       | 134          |           |          | _        |          | Щ        | $\square$ | _        | ļ        | _        |
| Ь—                                               | 35       | 1            | $\sqcup$        | _         | l              | $\square$       | _         | _        | _        | 4        | <u> </u>                                           | 85       | $\vdash$                                         | -            | ┡                                      | 4        | +                                                 | +                                       | _         |             |       | 135          |           |          | _        | Щ        |          | $\Box$    | _        | 4        | _        |
| <u> </u>                                         | 36       | $\vdash$     | Н               | _         | $\Box$         | $\square$       | $\dashv$  | +        | +        | -        | <u> </u>                                           | 86       | $\vdash$                                         | +-           | $\vdash$                               | -        | +                                                 | +                                       |           |             |       | 136          | $\square$ |          | _        |          |          |           | -        | $\dashv$ | _        |
|                                                  | 37       | $\vdash$     | ${oxdot}$       | 4         |                | _               | _         | -        | +        | -        | <u> </u>                                           | 87       | $\vdash$                                         | -            | <b> </b>                               | $\perp$  | +                                                 | -                                       | _         |             |       | 137          |           | $\dashv$ | _        | Ш        | Щ        | $\square$ | _        | -        | _        |
| <u> </u>                                         | 38       | <del> </del> |                 | _         | $\dashv$       | $\vdash$        | 4         | +        | +        | -        | <u> </u>                                           | 88       | $\vdash$                                         | +            | $\vdash$                               | $\dashv$ | +                                                 | +                                       | Ц         |             | -     | 138          | $\square$ | $\dashv$ | 4        | $\vdash$ | $\Box$   | $\Box$    | -        | $\dashv$ | _        |
|                                                  | 39       | +-           | $\vdash \vdash$ |           | -              | $\vdash \vdash$ | $\dashv$  | $\dashv$ | +        | -        | <u> </u>                                           | 89       |                                                  | +-           | -                                      | -        | +                                                 |                                         | -         | ::          |       | 139          | $\vdash$  |          | -        |          |          | -         | $\dashv$ |          | _        |
|                                                  | 40       | $\vdash$     | $\vdash \vdash$ | -         | $\vdash$       | $\vdash$        | $\dashv$  | $\dashv$ | -        | -        |                                                    | 90       | $\vdash \vdash$                                  |              |                                        | -        |                                                   | +                                       |           | ::          |       | 140          | $\dashv$  |          | _        | -        | $\dashv$ | $\vdash$  | -        | -        | -        |
|                                                  | 41       | 1            | $\vdash\vdash$  | -         | $\dashv$       | $\vdash$        | $\dashv$  | +        | $\dashv$ | - :::    |                                                    | 91       | $\vdash$                                         | +            | $\vdash$                               | $\vdash$ | +                                                 | +                                       | $\dashv$  | #           |       | 141          | $\dashv$  | $\dashv$ | -        | Н        | $\dashv$ | $\vdash$  | +        | $\dashv$ |          |
| ļ                                                | 42       | $\vdash$     | $\vdash \vdash$ | -         |                | $\vdash$        | -         | $\dashv$ | +        |          | -                                                  | 93       | -                                                | +-           | $\vdash$                               | +        | +                                                 | +                                       | $\dashv$  | :::}        |       | 142<br>143   | $\vdash$  |          | -        | H        |          |           | $\dashv$ | -1       | -        |
|                                                  | 44       | +            | $\vdash \vdash$ | -         | $\vdash$       | $\vdash$        | $\dashv$  | +        | +        |          | $\vdash$                                           | 94       | <del>                                     </del> |              | $\vdash$                               | -+       | +                                                 | $\dashv$                                |           | :::         |       | 144          | $\dashv$  | $\dashv$ | _        |          |          | $\vdash$  | $\dashv$ | +        | -        |
|                                                  | 45       | +            | $\vdash$        |           | $\vdash\vdash$ | $\dashv$        | $\dashv$  | $\dashv$ | +        | -        | $\vdash$                                           | 95       | $\vdash \vdash$                                  | +            | $\vdash$                               | $\dashv$ | +                                                 | +                                       | -         | #           |       | 145          |           | $\dashv$ | $\dashv$ |          | $\dashv$ | -         | $\dashv$ | -        | -        |
| <del> </del>                                     | 45       | +            | $\vdash$        | -         | $\vdash$       | $\vdash$        | $\dashv$  | $\dashv$ | ┰        | -        | <b></b>                                            | 96       | ┝╌├╴                                             | +            | $\vdash$                               | +        | +                                                 | +-                                      | -         |             |       | 146          | $\dashv$  | $\dashv$ | -        | H        | $\vdash$ |           | -        | $\dashv$ | -        |
| <u> </u>                                         | 47       | +-           | $\vdash \vdash$ | $\dashv$  | $\vdash$       | $\vdash$        | $\dashv$  | ┰        | -+       | -        | <del> </del>                                       | 97       | <del>                                     </del> | +-           | $\vdash$                               | +        | $\dashv$                                          | $\dashv \dashv$                         | $\dashv$  | ::          |       | 147          | -         | -        | 4        | $\vdash$ | $\dashv$ | -         | $\dashv$ |          | -        |
|                                                  | 48       | $\vdash$     | $\vdash$        | $\dashv$  | $\vdash$       |                 | $\dashv$  | $\dashv$ | +        | -        | <del> </del>                                       | 98       |                                                  | +            | $\vdash$                               | $\dashv$ | +                                                 | +                                       |           | ⊪           |       | 148          | $\vdash$  | $\dashv$ | -        |          |          | $\vdash$  | -        | -        |          |
| <del>                                     </del> | 49       | +-           | $\vdash \dashv$ | -         | $\vdash$       | $\vdash$        | $\dashv$  | $\dashv$ | +        | -        |                                                    | 99       |                                                  | +            | ╁                                      | +        | +                                                 | +                                       | $\dashv$  | :::         |       | 149          | $\dashv$  | $\dashv$ | -        | -        | Н        | $\vdash$  | -        |          | -        |
| <del>                                     </del> | 50       | +            | ├┤              | -         | $\vdash$       | $\vdash$        | $\dashv$  | $\dashv$ | -+       | -        | <del>  -                                    </del> | 100      | <del>   </del>                                   | +            | $\vdash$                               | $\dashv$ | $\dashv$                                          |                                         | $\dashv$  | #           |       | 150          | $\dashv$  | $\dashv$ |          | $\vdash$ | Н        | $\vdash$  | $\dashv$ | $\dashv$ | -        |
|                                                  | 1 20     |              | ᅼ               |           | لـــا          |                 |           |          |          | ::::     |                                                    | 1100     | $\perp \perp$                                    |              | L                                      | Щ.       |                                                   | لــــــــــــــــــــــــــــــــــــــ | الــــا   | ····[       |       | 100          |           |          |          |          |          |           |          |          |          |